



MACHINE LEARNING

TRAINING PLAN

ADV**ERK**

SUBJECT

PYTHON

TOPICS

Introduction to Python, Why Python, Python applications and Careers?
Python Numbers, Operators in Python, Arithmetic Operators, Variable in Python.
Assignment Operators, Comparison Operators,
Logical Operators, Python Len, Input.
Boolean Operators, String Built - In - Functions.
Conditional Programming, List in Python, Tuples in Python.
Loops in Python, Sets in Python
Dictionary in Python, Functions in Python, Lambda Functions
Python Modules - Date Time & Math
Advanced Calculator, Error Handling in Python
Python File Handling I/O [csv, txt, excel, html...]
Python Calendar Module and Introduction to NumPy Arrays
Assignments (I am not available on 25")

SUBJECT

DATA SCIENCE

TOPICS

Introduction to NumPy Arrays - I
NumPy Arrays Continued... - II
Introduction to Pandas - I
Pandas Continued - II
Data Visualization using Matplotlib
Advanced Data Visualization using Seaborn and Plotly
Iris Exploratory Data Analysis
Boston Housing Dataset EDA Analysis
Assignments

SUBJECT

MACHINE LEARNING

TOPICS

Introduction to Machine Learning and its Types

Introduction to Scikit Learn, Statistics for Data Science

Statistics for Data Science Contd

Regularization - The Problem of Over fitting

Model 1: Linear Regression

Linear Regression - Example

Model 2: Logistic Regression

Logistic Regression - example

Model 3: K Nearest Neighbours

K Nearest Neighbours - example

Model 4: Classification - example

Model 5: Stock Price Prediction

Model 6: Image Classification

Computer Vision

